ATTORNEY DOCKET NO: KCX-693 (19341) IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Group Art Unit: 1632 **Xuedong Song** In re Applig Money 10/719,976 Serial No: Examiner: Unknown Our Account No: 04-1403 Filed: November 21, 2003 Confirmation No: 1744 Customer No: 22827 Method For Extending The Dynamic Title: **Detection Range Of Assay Devices** Commissioner for Patents U.S. Patent and Trademark Office Post Office Box 1450 Alexandria, VA 22313-1450 Sir: The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98. Attached hereto is: 1.[x] A list of materials for consideration per Rule 98(a)(1): 17 page(s) a.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule b.[x] 98 and/or as indicated on the attached list(s): 404 item(s) For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance c.[] thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: [] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English. This Information Disclosure Statement is being filed [CHECK ONE]: 2.[x] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required. AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance $\underline{O}R$ an b.[] action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]: i.[] Certification per Rule 97(e); OR Filing Fee per Rule 17(p)\$180.00 ii[] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is: La Commence of the

- Certification per Rule 97(e); AND i.
- ii.
- Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:
 - That each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
 - That no item of information contained in this Information Disclosure Statement was cited in a foreign patent b.[] office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable

		inquiry, was known to any individual designated this statement.	d in Rule 56(c) more than three months prior to the filing of
		made by signer per signature below). Name:	n signature; omission here indicates that certification is being Signature:
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4.[x]	herewi now or overpa	ized hereafter, or any fees in addition to the fee(s) th or concerning any paper filed hereafter, and when the relative to this application and the resu	missioner is hereby authorized to charge any fee specifically filed, or asserted to be filed, or which should have been filed nich may be required under Rules 16-18 (deficiency only) lting official document under Rule 20, or credit any hereof for which purpose a duplicate copy of this sheet is at issue fee in this case.
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		7 29602 OSA No.: 22827	By: Christina L. Mangelsen, Patent Agent
Telep	hone: 80	64-271-1592	
Facsir	nile: 86	64-233-7342	Reg. No: 50,244 Signature: Manual Vanual Van
			Date: July 12, 2004
			Date. 3417 12, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xuedong Song Docket No: KCX-693 (19341)

Serial No: 10/719,976 Group No: 1632

Confirmation No: 1744 Examiner: Unknown

Customer No: 22827

Filed: November 21, 2003 Date: July 12, 2004

For: Method For Extending The Dynamic Detection Range Of Assay Devices

RELATED U.S. PATENT APPLICATIONS

ASSISTANT COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, VA 22313-1450

The following commonly assigned U.S. Patent Applications are being cited to the Examiner for review and consideration. Enclosed please find copies of these applications. Once the applications have been reviewed, it is requested that the Examiner place his or her initial to the left of the identified patents on the list document to indicate that the specific patent applications have been considered.

RELATED U.S. APPLICATIONS

Examiner's <u>Initial</u>	<u>Inventor</u>	Serial <u>Number</u>	Filing Date	Title of Application
	Wei, et al.	10/325,429 (KCX-570)	12/19/2002	Self-Calibrated Flow- Through Assay Devices
	Yang, et al.	10/406,577 (KCX-634)	04/03/2003	Assay Devices That Utilize Hollow Particles
	Wei, et al.	10/325,614 (KCX-642)	12/19/2002	Reduction Of The Hook Effect In Membrane- Based Assay Devices
	Wei, et al.	10/406,631 (KCX-650)	04/03/2003	Reduction Of The Hook Effect In Assay Devices

	Wei, et al.	10/718,997 (KCX-691)	11/21/2003	Extension Of The Dynamic Detection Range Of Assay Devices
·	Yang, et al.	10/741,434 (KCX-727)	12/19/2003	Laminated Assay Devices
	Yang, et al.	10/742,589 (KCX-728)	12/19/2003	Flow Control Of Electrochemcial-Based Assay Devices
	Yang, et al.	10/742,590 (KCX-729)	12/19/2003	Flow-Through Assay Devices
	Xuedong Song	10/718,989 (KCX-741)	11/21/2003	Membrane-Based Lateral Flow Assay Devices That Utilize Phosphorescent Detection
·	Ning Wei	10/718,996 (KCX-742)	11/21/2003	Method Of Reducing The Sensitivity Of Assay Devices
	David S. Cohen	10/836,093 (KCX-826)	04/30/2004	Optical Detection Systems
	Boga, et al.	10/790,617 (KCX-827)	03/01/2004	Assay Devices Utilizing Chemichronic Dyes

Sheet 1 of 17 Serial Number: Attorney Docket Number: 10/719,976 Information Disclosure Statement List KCX-693 (19341) By Applicant(s) Applicant: Under 37 CFR Section 1.98(a) (1) Xuedong Song Filing Date: (Use several sheets if necessary) Group Art Unit: November 21, 2003 1632 Confirmation No: 1744

NOTE:

If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]"

(1) This item is cumulative, per Rule 98©

(2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:

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(3) Both reasons (1) and (2) apply

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EXAMINER	PATENTEE NAME	PA'	TENT	NUN	MBEF	·			ISSUE	COPY
INITIALS									DATE	NOTE
	Lipman, et al.	D	4	5	0	8	5	4	11/20/2001	5
	Bruschi	R	E	3	0	2	6	7	05/06/1980	5
	Burch	1	3	6	6	2	4	1	01/18/1921	5
	Keim	3	7	0	0	6	2	3	10/24/1972	5
	Keim	3	7	7	2	0_	7	6	11/13/1973	5
	Deutsch, et al.	4	0	9	4	6	4	7	06/13/1978	5
	Stoy	4	1	1	0	5	2	9	08/29/1978	5
	Grubb, et al.	4	1	6	8	1	4	6	09/18/1979	5
	Dorman, et al.	4	2	1	0	7	2	3	07/01/1980	5
	Litman, et al.	4	2	7	5	1	4	9	06/23/1981	5
	Wohltjen	4	3	1	2	2	2	8	01/26/1982	5
	Greenquist	4	3	6	3	8	7	4	12/14/1982	5
	Tom, et al.	4	3	6	6	2	4	1	12/28/1982	5
	Litman, et al.	4	3	7	4	9	2	5	02/22/1983	5
	Chen, et al.	4	3	8	5	1	2	6	05/24/1983	5
	Columbus	4	4	2	6	4	5	1	01/17/1984	5
	Kowalski, et al.	4	4	2	7	8	3	6	01/24/1984	5
	Zuk, et al.	4	4	3	5	5	0	4	03/06/1984	5
	White	4	4	4	1	3	7	3	04/10/1984	5
	Greenquist, et al.	4	4	4	2	2	0	4	04/10/1984	5
	Ludwig	4	4	4	4	5	9	2	04/24/1984	5
	Mitra	4	4	7	7	6	3	5	10/16/1984	5
	Craig, et al.	4	4	8	0	0	4	2	10/30/1984	5
	Clark, et al.	4	5	3	3	4	9	9	08/06/1985	5
	Litman, et al.	4	5	3	3	6	2	9	08/06/1985	5
	Papadakis	4	5	3	4	3	5	6	08/13/1985	5
	Keim	4	5	3	7	6	5	7	08/27/1985	5
	Elings, et al.	4	5	3	7	8	6	1	08/27/1985	5
	Litman, et al.	4	5	4	0	6	5	9	09/10/1985	5
	Lowne	4	5	5	2	4	5	8	11/12/1985	5
	Sekler, et al.	14	5	6	 -	2	8	6	12/31/1985	5
	Lowe, et al.	14	5	6	12	1 i	5	7	12/31/1985	5
	Miller	4	5	8	6	6	9	5	05/06/1986	5
	Cragle, et al.	4	5	9	5	6	6	1	06/17/1986	5
	Ballato	4	5	9	6	6	9	17	06/24/1986	5
	Schmidt, et al.	4	6	十	4	7	2	3	09/30/1986	5

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KCX-693 (19341)	10/719,976						
Applicant:							
Xuedong Song							
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November 21, 2003	1632						
Confirmation No:							
1744							
	KCX-693 (19341) Applicant: Xuedong Sof Filing Date: November 21, 2003 Confirmation No:						

Γ	Brunsting	4	6	3	2	5	5	9	12/30/1986	5
	Krull, et al.	4	6	6	1	2	3	5	04/28/1987	5
	Schwartz, et al.	4	6	9	8	2	6	2	10/06/1987	5
	Lee, et al.	4	7	2	2	8	8	9	02/02/1988	5
		4	7	2	7			9	02/23/1988	5
	Valkirs, et al.	4	7	3		3	3	7	03/15/1988	5
	Luotola, et al.	4	7	4	3	5	4	2	05/10/1988	
	Graham, Jr., et al.	4	7	7	6	9	4	4	10/11/1988	5
	Janata, et al.	4		_	7		6		06/06/1989	
	de Jaeger, et al.	4	8	3	2	7	8	8	06/27/1989	5
	Blaylock	4	-	4	3	-				
	Litman, et al.		8	4	3	0	2	0	06/27/1989	<u>5</u>
-	Noguchi, et al.	4	8	4					07/04/1989	_
	Batchelder, et al.	4	8	4	4	3	3	8	07/18/1989	5
ļ <u> </u>	Litman, et al.	4	8		9					
	Rosenstein, et al.	4	8	5	5	2	5	3	08/08/1989	5
	Ullman, et al.	4	8	5	7	4			08/15/1989	
	Devaney, Jr., et al.	4	8	7	.7	5	8	7	10/31/1989	5
	Stewart	4	8	7	7	7	4		10/31/1989	
	Pyke, et al.	4	8	9	5	0	1	7	01/23/1990	5
ļ	Brown, III, et al.	4	9	1	6	0	5	6	04/10/1990	5
	Bhattacharjee	4	9	1_	7	5	0	3	04/17/1990	5
	Ley, et al.	4	9	4	0	7	3	4	07/10/1990	5
	Hillman, et al.	4	9	6	3	4	9	8	10/16/1990	5
]	McDonald, et al.	4	9	7	3	6	7	0	11/27/1990	5
	Godfrey	4	9	9	2	3	8	5	02/12/1991	5
	Livesay	5	0	0	3	1	7	8	03/26/1991	5
	Finlan	5	0	2	3	0	5	3	06/11/1991	5
	Lee, et al.	5	0	2	6	6	5	3	06/25/1991	5
	Finlan, et al.	5_	0	3	5	8	6	3	07/30/1991	5
	Finlan	5	0	5	5	2	6	5	10/08/1991	5
	Cozzette, et al.	5	0	6	3	0	8	i	11/05/1991	5
	Finlan	5	0	6	4	6	1	9	11/12/1991	5
	Durley, III, et al.	5	0	7	5	0	7	7	12/24/1991	5
	Frye, et al.	5	0	7	6	0	9	4	12/31/1991	5
	Kane, et al.	5	0	9	6	6	7	1	03/17/1992	5
	Leiner, et al.	5	1	1	4	6	7	6	05/19/1992	5
L	Chan, et al.	5	1	2	0	6	6	2	06/09/1992	5
	Hewlins, et al.	5	1	2	4	2	5	4_	06/23/1992	5
	Kuypers, et al.	5	1	3_	4	0	5	7	07/28/1992	5
	Manian, et al.	5	1	3	7	6	0	9	08/11/1992	5
	Pirrung, et al.	5_	1	4	3	8	5	4	09/01/1992	5
	Cox, et al.	5_	1	4	5	7	8	4	09/08/1992	5
	Kaetsu, et al.	5	1	5	2	7	5	8	10/06/1992	. 5
	Litman, et al.	5	1	.2	6	9	5	3	10/20/1992	5
	Miffitt, et al.	5	1	7	9	2	8	8	01/12/1993	5
	Giesecke, et al.	5	1	8	2	1	3	5	01/26/1993	5
	Backman, et al.	5	1	9	6	3	5	0	03/23/1993	5
	Liberti, et al.	5	2	0	0	0	8	4	04/06/1993	5
	Nakayama, et al.	5	2	0	8	5	3	5	05/04/1993	5
	Manian, et al.	5	2	2	1	4	5	4	06/22/1993	5
	Watanabe, et al.	. 5	2	2 ·	. 5	9	3	5 .	07/06/1993	5
	McGeehan, et al.	5	2	3	4 -	8	1	3	08/10/1993	5
	Nomura, et al.	5	2	3	5 -	2	3	8	08/10/1993	5
	Higo, et al.	5	2	3	8	8	1	5	08/24/1993	5
	Bergström, et al.	5	2	4	2	8	2	8	09/07/1993	5
	Tarcha, et al.	5_	2	5	2	4	5	9	10/12/1993	5
	Evangelista, et al.	5	2	6	2	2	9	9	11/16/1993	5

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By Applicant(s)	Applicant						
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(Use several sheets if necessary)	Filing Date:	Group Art Unit: 1632					
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	1	Berger, et al.	5	2	6	8	3	0	6	12/07/1993	5
	+	Cooke, et al.	5	3	1	4	9	2	3	05/24/1994	5
		Suzuki, et al.	5	3	1	6	7	2	7	05/31/1994	5
	+ +		5	3	2	0	9	4	4	06/14/1994	5
	 	Okada, et al.	5				4	9			,
	-	Detwiler, et al.		3	2	1	$\overline{}$	_	2	06/14/1994	5
		Bender, et al.	5	3	2	7	2	2	5	07/05/1994	. 5
	1	Bar-Or, et al.	5	3	3	0	8	9	8	07/19/19094	5
		Litman, et al.	5	3	4	2	7	5	9	08/30/1994	5
		Lichtenwalter, et al.	5	3	5	2	5	8	2	10/04/1994	5
		Moorman, et al.	5	3	5	6	7	8	2	10/18/1994	5
		Wu	5	3	5	8	8	5	2	10/25/1994	5
·		Attridge	5	3	6	9	7	1	7	11/29/1994	5
		Maule	5	3	7	4	5	6	3	12/20/1994	5
		Gumbrecht, et al.	5	3	7	6	2	5	5	12/27/1994	5
		Selmer, et al.	5	3	8	7	5	0	3	02/07/1995	5
		Lambotte, et al.	5	3	9	5	7	5	4	03/07/1995	5
		Maule	5	4	1	5	8	4	2	05/16/1995	5
		Miller, et al.	5	4	1	8	1	3	6	05/23/1995	5
		Jirikowski	5	4	2	4	2	1	9	06/13/1995	5
		Litman, et al.	5	4	3	2	0	5	7	07/11/1995	5
		Bergström, et al.	5	4	3	6	1	6	1	07/25/1995	5
		Rohr	5	4	4	5	9	7	1	08/29/1995	5
		Barrett, et al.	5	4	5	1	6	8	3	09/19/1995	5
		Josse, et al.	5	4	5	5	4	7	5	10/03/1995	5
		Hendrix	5	4	6	4	7	4	1	11/07/1995	5
		Liberti, et al.	5	4	6	6	5	7	4	11/14/1995	5
		Catt, et al.	5	4	6	7	7	7	8	11/21/1995	5
		Bogart, et al.	5	4	6	8	6	0	6	11/21/1995	5
		Bogart, et al.	5	4	8	2	8	3	0	01/09/1996	5
		Barrett, et al.	5	4	8	2	8	6	7	01/09/1996	5
		Lichtenham, et al.	5	4	8	4	8	6	7	01/16/1996	5.
		Fodor, et al.	5	4	8	9	6	7	8	02/06/1996	5
		Ackley, et al.	5	4	8	9	9	8	8	02/06/1996	5
		Malmqvist, et al.	5	4	9	2	8	4	0	02/20/1996	5
		Baker, et al.	5	5	0_	0	3	5	0	03/19/1996	5
		Senior	5	5	0	4	0	1	3	04/02/1996	5
		Walling, et al.	5	5	0	8	1	7	1	04/16/1996	· 5
-		Bednarski, et al.	5	5	1	0	4	8	1	04/23/1996	5
		Kumar, et al.	5	5	1	2	1	3	1	04/30/1996	5
		Markert-Hahn, et al.	5	5	1	4	5	5	9	05/07/1996	5
		Ekins, et al.	5	5	1	6	6	3	5	05/14/1996	5
	1	Dosmann, et al.	5	5	1	8	6	8	9	05/21/1996	5
	1	Soini	5	5	1	8	8	8	3	05/21/1996	5
		Tom-Moy, et al.	5	5	2	7	7	1	1	06/18/1996	5
,		Vreeke, et al.	5	5	3	4	1	3	2	07/09/1996	5
		Chadney, et al.	5	5	5	4	5	3	9	09/10/1996	5
		Malmqvist, et al.	5	5	5	4	5	4	1	09/10/1996	5
	1	Sommer	5	5	6	9	6	0	8	10/29/1996	5
				5	7	1	6	8	4	11/05/1996	5
	+	Lawrence, et al.	5	כן	, ,						
	+		5	5	7	3	9	0	9	11/12/1996	5
		Lawrence, et al. Singer, et al. Davidson	-			_	9	7	9	12/17/1996	5
		Singer, et al.	5	5 5 5	7	3	2	7		12/17/1996 12/31/1996	5 5
		Singer, et al. Davidson	5	5	7	3 5	2	7	9	12/17/1996	5
		Singer, et al. Davidson Hansen, et al.	5 5 5	5 5 5	7 8 8	3 5 9	2	7	9	12/17/1996 12/31/1996	5
		Singer, et al. Davidson Hansen, et al. Massey, et al. Tyler	5 5 5	5 5 5	7 8 8 9	3 5 9	2 4 5	7 0 8	9 1 1	12/17/1996 12/31/1996 01/07/1997	5 5 5
		Singer, et al. Davidson Hansen, et al. Massey, et al.	5 5 5 5	5 5 5 5	7 8 8 9	3 5 9 1 6	2 4 5 4	7 0 8 1	9 1 1 4	12/17/1996 12/31/1996 01/07/1997 01/21/1997 02/04/1997 04/08/1997	5 5 5
		Singer, et al. Davidson Hansen, et al. Massey, et al. Tyler Stimpson, et al.	5 5 5 5 5	5 5 5 5 5	7 8 8 9 9	3 5 9 1 6 9	2 4 5 4 6	7 0 8 1 6	9 1 1 4 8	12/17/1996 12/31/1996 01/07/1997 01/21/1997 02/04/1997	5 5 5 5

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	Tuunanen, et al.	5	6	4	7	9	9	4	07/15/1997	5
	Yamamoto, et al.	5	6	5	8	4	4	3	08/19/1997	5
	Jones, et al.	5	6	6	3	2	1	3	09/02/1997	5
	Jou, et al.	5	6	7	0	3	8	1	09/23/1997	5
	Yee	5	6	7	2	2	5	6	09/30/1997	5
	Sheiness, et al.	5	7	0	0	6	3	6	12/23/1997	5
	Robinson, et al.	5	7	2	6	0	6	4	03/10/1998	5
	Bard, et al.	5	7	3	1	1	4	7	03/24/1998	5 .
	Alcock, et al.	5	7	3	6	1	8	8	04/07/1998	5
	Brooks, et al.	5	7	5	3	5	1	7	05/19/1998	5
	Ching, et al.	5	7	8	0	3	0	8	07/14/1998	5
	Wang, et al.	5	7	9	5	4	7	0	08/18/1998	5
	Poto, et al.	5	7	9	5	5	4	3	08/18/1998	5
	Shuler, et al.	5	7	9	8	2	7	3	08/25/1998	5
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	Barbera-Guillem, et al.						2			5
	Chandler, et al.	6	2	6	8	2	2	2	07/31/2001	
	Crismore, et al.	6	2	7	0	6	3	7	08/07/2001	5
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	Kuhr, et al.	6	2	9	4	3	9	2	09/25/2001	5
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	Massey, et al.	6	3	6	2	0	1	1	03/26/2002	5
	Chang, et al.	6	3	6	8	8	7	3	04/09/2002	5
	Geisberg	6	3	6	8	8	7	5	04/09/2002	5
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	Nishikawa	6	4	1	1	4	3	9	06/25/2002	5
	Hodges, et al.	6	4	1	3	4	1	0	07/02/2002	5
	Everhart, et al.	6	4	3	6	6	5	1	08/20/2002	5
	Clark, et al.	6	4	3	6	7	2	2	08/20/2002	5
	Meade, et al.	6	4	4	4	4	2	3	09/03/2002	5
	Massey, et al.	6	4	4	8	0	9	1	09/10/2002	5
	Lawrence, et al.	6	4	5	1	6	0	7	09/17/2002	5
	Hoyt	6	4	5	5	8	6	1	09/24/2002	5
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	Massey, et al.	6	4	6	8	7	4	1	10/22/2002	5
	Barradine, et al.	6	4	7	2	2	2	6	10/29/2002	5
	Caruso, et al.	6	4	7	9	1	4	6	11/12/2002	5
	Kennedy	6	5	0	9	0	8	5	01/21/2003	5
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	Everhart, et al.	6	5	7	3	10	4	10	06/03/2003	5
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